

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
Gee-Sung CHAE et al.	)	
	)	
Application No.: Unassigned	)	Group Art Unit: Unassigned
	)	
Filed: October 1, 2003	)	Examiner: Unassigned

For: IN-PLANE SWITCHING MODE LIQUID CRYSTAL DISPLAY  
DEVICE HAVING IMPROVED APERTURE RATIO

Commissioner for Patents  
**MAIL STOP PATENT APPLICATION**

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application and before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of U.S. Patent documents listed in this Information Disclosure Statement are not enclosed herewith in accordance with item 14 of the Official Gazette notice 1276 OG 55 dated August 5, 2003. Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

The following are listed on the accompanying PTO-1449 and are in a language other than English.

a. Japanese Application No. 9-5764. The relevance of this document is shown in the English-language abstract.

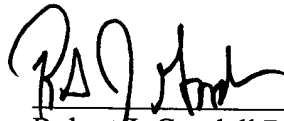
b. Japanese Application No. 9-73101. The relevance of this document is shown in the English-language abstract.

This submission does not represent that a search has been made or that no better art exists and do not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**



Robert J. Goodell Reg. No. 41,040

Date: October 1, 2003

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<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  <b>PTO Form 1449</b>	Attorney Docket No. 041993-5242	Serial No. Unassigned
	Applicants Gee-Sung CHAE et al.	
	Filing Date October 1, 2003	Group Unassigned

<b>U.S. PATENT DOCUMENTS</b>
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*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	5,598,285	Jan. 28, 1997	Kondo et al.			
	5,745,207	Apr. 28, 1998	Asada et al.			
	5,805,247	Sep. 8, 1998	Oh-e et al.			
	5,831,701	Nov. 3, 1998	Matsuyama et al.			
	5,838,037	Nov. 17, 1998	Masutani et al.			
	5,946,060	Aug. 31, 1999	Nishiki et al.			
	5,990,987	Nov. 23, 1999	Tanaka			
	6,028,653	Feb. 22, 2000	Nishida			
	6,040,887	Mar. 21, 2000	Matsuyama et al.			
	6,097,454	Aug. 1, 2000	Zhang et al.			
	US 6,266,166 B1	Jul. 24, 2001	Katsumata et al.			

FOREIGN PATENT DOCUMENTS								
	Document Number	Date	Country	Class	Sub Class	<u>Translation</u>		
						YES	NO	
	9-5764	Jan. 10, 1997	Japan			abstract		
	9-73101	Mar. 18, 1997	Japan			abstract		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	R. Kiefer et al., "In-Plane Switching of Nematic Liquid Crystals", Japan Display '92, pp. 547-550.
	M. Oh-e et al., "Principles and Characteristics of Electro-Optical Behaviour With In-Plane Switching Mode," Asia Display '95, pp. 577-580.
	M. Ohta, "Development of Super-TFT-LCDs With In-Plane Switching Display Mode", Asia Display '95, pp. 707-710.
	S. Matsumoto et al., "Display Characteristics of In-Plane-Switching (IPS) LCDs and A Wide-Viewing-Angle", Euro Display '96, pp. 445-448.
	H. Wakemoto et al., "An Advanced In-Plane-Switching Mode TFT-LCD", Sid 97 Digest, pp. 929-932.
	S. H. Lee et al., "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching", Asia Display 98, pp. 371-374.
	S. Endoh et al., "Diagonal Super-TFT-LCDs With Mega Wide Viewing Angle and Fast Response Speed of 20ms", IDW '99, pp. 187-190.

Examiner	Date Considered
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	